

PATENT ABSTRACTS OF JAPAN

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(11)Publication number : 06-038195

(43)Date of publication of application : 10.02.1994

(51)Int.Cl.

H04N 7/137

H04N 5/232

(21)Application number : 04-190590

(71)Applicant : CANON INC

(22)Date of filing : 17.07.1992

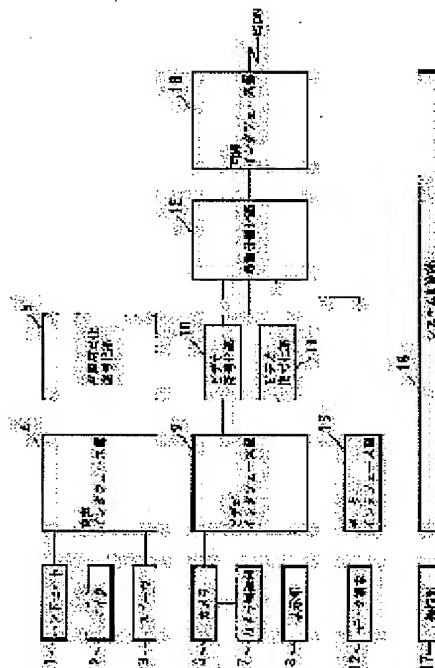
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(54) VIDEO CODER

(57)Abstract:

PURPOSE: To obtain sufficient picture quality by suppressing quantity of arithmetic operation much needed at the time of the calculation of motion vectors in a conventional coder in the system of a high efficiency coder for a video source employing inter-frame prediction.

CONSTITUTION: The coder is provided with a camera control section 7 measuring a moving quantity of a camera 6 at every frame and with a video coding section 10 whose retrieval range is optionally changed at the time of motion vector calculation so that retrieval range is changed depending on the moving quantity of the camera. That is, the video coding section 10 identifies the position in a frame from a frame GOB number, increases the retrieval range of a motion vector in the middle of the frame and decreases the retrieval range of a motion vector at ends of the frame at the characteristic of the motion vector.



LEGAL STATUS

[Date of request for examination] 12.07.1999

[Date of sending the examiner's decision of rejection] 18.06.2001

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]